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(ICAR-Agricultural Technology Application Research Institute, Zone-VII)
MOKOKCHUNG: NAGALAND

Annual Action Plan, 2024

Directorate of Agriculture, Nagaland
Established: 2005

Presented by:
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On Farm Testing (Discipline–Wise Summary) for 2024

Discipline	Crop/enterprise	No. of Technology/ Social Concept/methodology to be		No. of trials proposed	
		Assessed	Refined	Assessment	Refinement
Agronomy	Soyabean	1	-	3	-
	Sweet corn	-	1	-	3
	TRC Paddy	1	-	3	-
	Maize	1	-	3	-
Horticulture	Frenchbean	-	1	-	3
	Ginger	-	1	-	3
	Gardenpea	-	1	-	3
	Cauliflower	1	-	3	-
Animal Science	Azolla	1	-	3	-
	Poultry	1	-	3	-
Plant Protection	Maize	-	1	-	3
	Potato	-	1	-	3
Soil Conservation	Cucumber	1	-	2	-
	Tomato	1	-	2	-
	Foxtail millet	-	1	-	2
Total		7	8	19	23

Performance assessment of Soyabean (Common OFT, Agronomy, Nagaland)

Crop	Prioritized Problem	Details of technology	Source
Soyabean	Low yield of existing varieties and low variety replacement	Variety: MACS-1460 Duration: 90-95 days Oil content: 17.6-18.9% Protein content: 41% Plant height: 2.5-3 ft Recommended for NEH zone	Agharkar Research Institute, Pune, 2020

Area	No. of Trials	Location
0.5ha	3	Aliba, Youngyimti & Chuchuyimlang

Parameters of assessment

1. Growth parameters
2. Yield/ha
3. B:C ratio

Performance Evaluation of Sweet Corn

Crop	Prioritized Problem	Details of technology	Source
Maize	Low replacement Maize variety in	Shalimar Sweet Corn-1 & Pusa Super Sweet Corn-1 Suitable for Rainfed & Kharif in hilly region, early maturing (105-110 days), composite, green cobs: 62.38qt/ha. Resistance to blight and common rust	SKUAST 2019 & IARI, 2011

Area	No. Of trials	Location
0.5ha	3	Yoangyimti, Yisemyomng Longjang

Parameters of assessment

- 1.Growth parameters
- 2.Yield/ha
- 3.B:C ratio

Varietal assessment of RC Maniphou series

Crop/enterprise	Prioritized Problem	Details of technology	Source
TRC Paddy	Low productivity of local cultivars	RCM- 14,15 & 16 Medium duration (125-130 Days) Potential yield is 7.8t/ha	ICAR, Manipur Centre, 2018

Area	Replication	Location
0.5	3	Longkhum, Kinunger Aliba

Parameters

1. Duration
2. No. of tillers/hill,
3. No. of grains/panicle
4. Yield/ha
5. B:C ratio

Performance assessment of Rabi maize

Crop/enterprise	Prioritized Problem	Details of technology	Source
Maize	Non availability of improved variety.	<p>DMRH-1301</p> <p>High yielding, medium maturity (125-145 days) yellow grain colour, moderately resistant to turicum leaf blight and charcoal rot diseases. Potential yield: 9-10t/ha</p>	IIMR, 2017

Area	Replication	Location
0.5ha	3	Asangma, Aliba, Kinunger

Parameters of assessment

1. Growth parameters
2. Yield/ha
3. B:C ratio

Organic production of Garden pea for enhancing the income of farmers (Common OFT)

Crop	Prioritized Problem	Details of technology	Source
Garden pea	Low yield of existing variety	Variety: KSP 110 Dark green Pod, Medium tall plant, pod length 8-10cm with 10 grains	AAU, Jorhat 2016

Area	0.5 Ha
Replications	3

Location:

Ongpangkong (S), Ongpangkong (N), Changtongnya

Parameters of assessment

1. Growth parameters
2. Yield/ha
3. B:C ratio

Crop	Prioritized Problem	Details of technology	Source
French bean	Non availability of high yielding variety.	Variety: Arka Arjun Plants are bushy, vigorous and photo insensitive , suitable for both rabi and kharif, pod yield in 50-70 days.	IIHR,2018

Area	0.5 Ha	Location
Replications	3	Chuchuyimlang, Ongpangkong(S), Tuli Block

Parameters of assessment

1. Duration
2. No. of pods per plant
3. No. of seeds per pod
4. Yield/ha
5. B:C ratio

Performance of micro-nutrient mixture on ginger for better rhizome development and yield

Crop	Prioritized Problem	Details of technology	Source
Ginger	Low yield due to poor nutrient management.	T1- Application of micro-nutrient mixture @5gm/lit of water and spray on the leaves at 60, 90, 120 days after planting of the crop. T2- Farmers practice	Indian Institute of Spices Research, 2022

Area	1 Ha	Location
Replications	3	Ongpangkong (S), Chuchuyimlang

Parameters of assessment

1. Growth parameters
2. Yield/ha
3. B:C ratio

Performance of micro-nutrient in Cauliflower

Crop/enterprise	Prioritized Problem	Details of technology	Source
Cauliflower	Low yield due to poor nutrient management	<p>T1: FYM 20t/ha+ NPK 100:50:50kg/ha Soil application of Zs@5kg/ha, Bx@5kg/ha and AM@5kg Foliar spray (30 DAT) Zs@0.25%,Bx@0.25% and AM@0.10% (3 times at 15-20 Days interval)</p> <p>T2: Farmers practice</p>	ICAR Research Complex for NEH region

Area	0.25 Ha	Location
Replications	3	Ongpangkong (S), Chuchuyimlang

Parameters

- 1.Growth parameters
- 2.Yield/ha
- 3.B:C ratio

Performance of Azolla for livestock feeding (1st Year)

Enterprise	Prioritized Problem	Details of technology	Source
Fodder (Azolla)	High cost of concentrate feeds and less availability of fodder in dry season	<ul style="list-style-type: none"> ➤ A pit size of 1 x 3 x 0.2 m will be made and covered with plastic lining. ➤ A thick layer of fertile soil will be applied. ➤ The tank will be filled with water to a height of 10 cm. ➤ Cow dung slurry @ 3-4 kg will be applied. ➤ After completing the tank preparation, a small quantity of Azolla will be inoculated and spread in the tank. 	ICAR-National Institute of Biotic Stress Management, Raipur, 2019

Unit	3
Replications	3/ unit

Parameters
1. Yield (q/ha)
2. Cost of cultivation (Rs/unit)
3. Feed replacement rate
4. B:C ratio

Enterprise	Prioritized Problem	Details of technology	Source
Poultry	Low productivity of local chicken, huge gap of demand and supply of chicken meat.	<ul style="list-style-type: none"> ➤ Cobb 430 Y ➤ Broiler strain known for fast growth and high meat yield ➤ Rearing in intensive system ➤ Feeding: Starter (0-3 weeks), grower (4-7 weeks), finisher (8 weeks) ➤ RD & IBD vaccine at 3,7 & 30th days. ➤ Vitamin and mineral mixture supplements as per requirements. 	TANUVAS, 2015

Unit	3
Replications	20 birds per unit

Parameters
1. Average adult body weight (Kg)
2. Disease incidence (%)
3. Net return (Rs/unit)
4. B:C ratio

Biological management of Fall armyworm in Maize (Common OFT)

Crop/enterprise	Prioritized Problem	Details of technology	Source
Maize	Severe infestation of Fall armyworm (upto 70%)	T1. <i>Metarhizium anisopliae</i> talc formulation @5g/ litre whorl application at 15-25 days after sowing + Spraying of <i>Beauveria bassiana</i> & <i>Bacillus thuringiensis</i> @ 2g/l of water. T2. Farmers practice	ICAR-NEHR, Umiam, 2019

Area	No. of trials	Location
0.5 ha	3	Longkhum, Yisemyong, Chuchuyimpang

Parameters to be assessed

1. Percent infestation (%)
2. Average yield
3. B:C ratio

Integrated Disease Management in Potato

Crop	Prioritized Problem	Details of technology	Source
<i>Potato</i>	High incidence of diseases leading to poor field	i) Planting to be done during first fortnight of November ii) 3 sprays of <i>Trichoderma viride</i> (0.7%) + <i>Bacillus subtilis</i> (0.25%) before and after appearance of the disease iii) Farmers practice	ICAR-CPRIC, Modipuram, 2017

Area	No. Of trials	Location
0.5	3	Longkhum, Yisemyong

Parameters

1. Disease incidence
2. Yield/ha
3. B:C ratio

Crop/enterprise	Prioritized Problem	Details of technology	Source
Cucumber local	Poor nutrient management practice	<p>T1: 50% RDF+ Farm Yard Manure @ 10t/ha+ Vermicompost @ 2t/ha+ Biofertilizer (Azospirillum, Azotobacter & PSB 4 kg/ha in 1:1:1)</p> <p>T2: 2-3 kg FYM or 1 kg FYM+ 0.5 kg Vermicompost+ 50 g lime per pit</p> <p>T3: Farmers practice (RDF for cucumber- N: 13-24 kg/ha P: 11-20 kg/ha K: 14-26 kg/ha for medium soil)</p>	<p>T1: OUAT, Bhubaneswar, 2020</p> <p>T2: ICAR Research Complex for NEH Region, 2019</p>

Area	Replications	Location
0.25 Ha	2	Satsu, Kinunger

Parameters

1. Yield/ha
2. Soil nutrient status before sowing & after harvest
3. B:C ratio

Assessment on micronutrient management in Tomato

Crop/enterprise	Prioritized Problem	Details of technology	Source
Tomato var. Chiranjevi	Poor nutrient management practice	T1: FYM 20 t/ha + NPK recommended dose for the state (100:50:50) + soil application of ZS @ 5 kg/ha, BX @ 5 kg/ha and AM @ 5kg/ha+ foliar spray (30 DAT onwards) of ZS @ 0.25%, BX @ 0.25% and AM @ 0.10 % (3 times at 15-20 days interval)	ICAR-NEHR, Umiam

Area	Replications	Location
0.25 Ha	2	Longkhum, Mongsenyimti

Parameters

1. Yield/ha
2. Soil nutrient status before sowing & after harvest
3. B:C ratio

**Assessment of Foxtail Millet cultivation under natural farming
(Common OFT for Nagaland KVKs)**

Crop/enterprise	Prioritized Problem	Details of technology	Source
Foxtail Millet (Local)	Acidity induced soil infertility & low productivity	Natural Farming Practices T1: Biofertilizers @ 3.5 litre/ha + Jeevamruta @ 5 litre/ha T2: Farmers practice Foliar spray at 40 DAS with two weeks interval for subsequent spraying	CAU- Imphal, 2016

Area	Replications	Location
0.05 Ha	2	Longjang & Mopungchuket

Parameters

1. Yield parameters
 2. Soil parameters (initial & after harvest)
 3. B:C Ratio
- Farmer Practice:
As above

FLDs (Discipline–Wise Summary) for 2024

Discipline	Crop/enterprise	No. of Technology/ Social Concept/ methodology	No. of demos proposed	Area (ha) to be covered/ no. of items/activity	No. of participants/ farmers to be covered
Agronomy	Cucumber	1	10	1	10
	Sweet corn	1	15	1	15
	Fieldpea	1	10	1	10
Horticulture	Chilli	1	6	1	6
	Value addition	1	3	3units	30
Animal Science	Poultry	3	30	30	30
Plant Protection	Mushroom	1	3	3 units	8
	Cucumber	1	8	1	8
Soil Conservation	Paddy	1	10	2	10
	Winter vegetables	1	10	2	10
Total		10	105		137

Integrated Nutrient Management in Off-season Cucumber cultivation

Crop/enterprise	Details of technology
Cucumber	Variety : Local cultivar Sowing: December, Harvest: April Application of Jeevamrita + straw mulching

Area (ha)	No. of Demonstration	No. of Farmers	Location
1	1	10	Aliba & Kinunger

Parameters of assessment

1. Growth parameters
2. Yield/ha
3. B:C ratio

Crop/enterprise

Details of technology

Advanta Seeds,
2019, MP

Maize

HI-Brix-39

Excellent shelf life, high yield with more high quality cobs and forage, potential yield -13.8q/ha

AICRPM, 2019

Area: 1.5ha

No. of Demo: 1

No. of farmers:10

Proposed location:

Asangma, Changtongya, Longmisa
Kinunger

Parameters

1. Growth parameters
2. yield/ha
3. B:C ratio

Double cropping of pea under rice based farming System

Crop/enterprise	Details of technology	
Pea	Pea will be sown after paddy harvest at 25x10cm spacing in 20cm standing stubble.	ICAR, NEHR, Umiam, 2011

Area:1.5ha

No. of Demo:1

No. of farmers:10

Proposed locations:

Yimchalu, Longkhum, Tuli

Parameters of assessment:

1. Growth parameters
2. Yield/ha
3. B:C ratio

Crop/enterprise

Details of technology

Chilli
 High yielding variety, light green turns deep red on maturity, medium pungent, wrinkled after drying, tolerant to cucumber mosaic virus
 Yield-40-50t/ha (fresh), 5-5.5t/ha (dry) in 180 days

IIHR,
 Bangalore
 2016

Area:1ha

No. of Demo: 1

No. of farmers:6

Tuli, Ongpangkong (S) &
 Chuchuyimlang

Parameters

- 1.Growth parameters
- 2.Yield/ha
- 3.B:C ratio

FLD-2

Popularization of locally available vegetables as value added products for more income generation (2nd Year)

Horticulture**Crop/enterprise****Details of technology**

Vegetable

Washing & cutting into small pieces , mixed with spices, Add mustard oil & vinegar. Mixed product is filled into pre-sterilized glass jar.

CIH,
Medziphema
2019

No. of unit: 3(SHG's)

No. of Demo:1

No. of farmers:30

Chuchuyimlang, Mangkolemba &
Ongpangkong Block

Parameters

1. Shelf life
2. B:C ratio

FLD-1

Popularization of Vana Raja poultry for increasing farmers income (2nd Year)

Animal Science

Enterprise	Details of technology	Source	Parameters
Poultry	1. Demonstration of Vana raja chicken breed in backyards 2. Initial feeds and vaccine cum medicines to be provided	National Institute of Animal Nutrition and Physiology (NIANP), Bangalore, 2012	1. Egg production 2. Meat production 3. B:C ratio

No. of Unit: 10**No. of Demo: 1****No. of Farmers: 10****FLD-2**

Demonstration of Rainbow Rooster poultry breed under backyard system (2nd Year)

Animal Science

Enterprise	Details of technology	Source:	Parameters
Poultry	1. Demonstration of Rainbow Rooster chicken breed in backyards 2. Initial feeds and vaccine cum medicines to be provided	AAU, Jorhat, 2015	1. Avg. body weight 2. Age at first egg lay 3. Egg production 4. B:C Ratio

No. of Unit: 10**No. of Demo: 1****No. of Farmers: 10**

Demonstration of Kadaknath chicken in backyards

Enterprise	Details of technology	Source	Parameters
Poultry	1. Kadaknath chicken breed in backyards 2. Initial feeds and vaccine cum medicines to be provided	ICAR-DPR, Hyderabad, 2018	1. Age at first egg 2. Weight at laying 3. Egg production 4. B:C ratio

No. of Unit: 10

No. of Demo: 1

No. of Farmers: 10

Popularization of oyster mushroom (*Pleurotus ostreatus*) cultivation

Crop/enterprise	Details of technology	Source of Technology
Mushroom	<p>Species - <i>Pleurotus ostreatus</i> Soaking of substrate overnight and hot water treatment at 80°C for 30 minutes.</p>	ICAR-Nagaland Centre, 2012

Area/Unit	No. of Demonstration	No. of Farmers	Location
3	3	<u>1</u> 8	Longkhum, Mokokchung Yisemyong

Parameters

1. Yield/bag
2. Single wt. of pileus
3. Time require for harvest

Popularization of pheromone traps for management of fruit flies in cucumber

Crop	Details of technology	Source of Technology
Cucumber	Installation of cue lure for monitoring and mass trapping of fruit fly to reduce male population @ 12 traps /ha	IARI, 2013

Area (ha)	No. of Demonstration	No. of Farmers	Location
1	1	8	Aliba & Kinunger

Parameters

1. Percent infestation(%)
2. No. of pre matured fruit drop
3. Yield/ha
4. B:C ratio

Crop	Details of technology
TRC Paddy	<p>Azolla caroliniana @ 500 kg/ha as dual crop two weeks after transplantation</p> <p>Seedling root dip using biofertilizers (Azospirillum + PSB + KSB mix @4kg)</p>

Source:
AAU, Jorhat 2020

Area (ha)	No. of Demonstration	No. of Farmers	Location
5	1	15	Chungtia, Aliba & Kinunger

Parameters

1. Yield/ha
2. Soil nutrient status before sowing & after harvest
3. B:C ratio

Farmer Practice:

As above

Demonstration of Soil Moisture Indicator for scheduling of irrigation in winter crops

Crop	Details of technology		
Winter vegetables	Scheduling of irrigation using Soil Moisture Indicator	ICAR- Sugarcane Breeding Institute, 2012	

Area (ha)	No. of Demonstration	No. of Farmers	Location
3	1	15	Yimchalu, Longkhum, Aliba & Kinunger

Parameters

1. Yield/ha
 2. No. of irrigations per crop
 3. B:C ratio
- Farmer Practice:
As above

Training Programmes for 2024

(Discipline-wise Summary for Farmers)

Discipline	Course (No.)	Farmer Beneficiaries (Nos.)				
		On	Off	Spon.	Vocational	Total
Agronomy	16		345			345
Horticulture	11	40	175			215
Animal Science	4	50	50			100
Plant Protection	6		150			150
Soil Conservation	7		140			140
Total	45	90	860			950

Training Programmes for 2024

(Discipline-wise Summary for Rural Youth)

Discipline	Course (No.)	Rural Youth Beneficiaries (Nos.)				
		On	Off	Spon.	Vocational	Total
Agronomy	2	40				40
Animal Science	4	30	30	20		80
Plant Protection	2		50			50
Horticulture	2		50			50
Total	10	70	130	20		220

Training Programmes for 2024

(Discipline-wise Summary for Extension personnel's)

Discipline	Course (No.)	Extension personnel (Nos.)				
		On	Off	Spon.	Vocational	Total
Plant Protection	1		20			20
Total	1		20			20

Extension Programmes /Activities for 2024

Sl. No.	Extension Programme/ Activity	Nos. Proposed	Beneficiaries (No.)				Total
			Farmers	Extn. Personnel	Rural Youth	Others	
A.	Field trips and Visits						
1	Scientist visits to Farmers field	88	205		30		235
2	Diagnostic visits	25	62				62
3	Farmers visits to KVK Farm	1	10		5		15
4	Exposure visits	1	10		5		15
B.	Group activities						
1	Group meetings/discussions	6	128				128
2	Kisan Gosthi	1	20		5		25
C.	Mass outreach program						
1	Field day	10	170	5			175
2	Farmers scientist Interaction	3	80				80
3	Method demonstration	21	320		30		350
4	Advisory services	25	40		10		30
5	Kisan Mela						
6	Exhibition						
7	Celebration of important days	4	80				80

Extension Programmes /Activities for 2024

Sl. No.	Extension Programme/ Activity	Nos. Proposed	Beneficiaries (No.)				Total
			Farmers	Extn. Personnel	Rural Youth	Others	
D.	Camps and Campaigns						
1	Awareness Campaign						
2	Soil Health Camp	1	30				30
	Animal Health Camp	2	60				60
E.	Publications						
1	Newsletter						
2	Extension literature	1	100				100
3	Newspaper article	5					
4	Training manual						
Total		194	1315		40		1385

Seed Materials 2024

Seed Materials	Crop	Variety	Proposed quantity (Qt) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Cereals	Pop Corn	Shanthonwa (Lc)	0.25	300/kg	20
	Foxtail millet	Local	0.10	100/kg	10
Oilseeds	Mustard	Pusa Mustard 28	2.0	60/kg	40
Pulses					
Vegetables	Colocasia, Ginger, Cucumber	Local Local Local	1.0 1.0 0.10	50/kg 70/.kg 200/50g	
Flowers					
Others					
Total					

Planting Materials 2024

Planting Materials	Crop	Variety	Proposed quantity (Nos.) to be produced (both at KVK farm and farmers field)	Current Value (Rs.)	To be provided/supplied to (Expected No. of farmers)
Fruits	Acid lime	Vikram	5000	20/sapling	100
Spices					
Forest Species					
Vegetables	Tomato Chilli	Arka Abhed Arka Khyati Local	500 300 600	5/sapling	100
Plantation Crops					
Others					
Total	3	4	6400		200

Bio-products 2024

Item	Product Name	Species	Proposed quantity to be produced (both at KVK farm and farmers field)		Current Value (Rs.)	To be provided to (Exp. No. of farmers)
			No.	Kg.		
Bio-agents						
Bio-fertilizers	Azolla	<i>A.Caroliniana</i>	-	20	-	10
Bio-pesticides						
Livestock strains/ fingerlings (Nos. in lakh)						
Vermicompost	Vermicom post	<i>Eisenia foetida</i>	5000 worms	200	2/worm 50/kg	2
Total						12

b. Planting Materials/ Seedlings to be produced during 2024

Sl. No.	Planting materials	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	Vegetables		
	Cabbage	1000	5000
	Broccoli	1000	6000
	Chilli	1000	5000
B.	Fruits		
	1.		
C.	Ornamental plants/ trees		
	1.		
D.	Tree species		
	1. Hoolock	1000	10000
E.	Flowers		
	1.		
F.	Others (Pl. Specify)		
	1.		
	Total		

c. Livestock strains/ Fingerlings produced during 2024

Sl. No.	Livestocks	Production and revenue generation	
		Production (No.)	Revenue (lakh)
A.	Livestock strains (nos. in lakh)		
	1.		
B.	Poultry	1000	80000
	1.		
C.	Duckery		
	1.		
D.	Fisheries/ Fingerlings (nos. in lakh)		
E.	Others (Pl. Specify)		
	1. Piglets		
	1.		
	1.		
	Total		

Status of Revolving Fund (RF) of KVK (in lakh) during 2024

Sl. No.	Activities under RF	Opening balance as on 1 st April, 2023	Income during the year	Expenditure during the year	Income to be generated	Net balance in KVK as on 31 st March, 2024
1	Vegetable production Poultry rearing	185840	68000	52000		201840
	Total	185840	68000	52000		201840

Soil Sample Analysis & Soil Health Cards-2024

Sl. No	Samples	Nos. of samples targeted	Target of Farmer beneficiaries	Village to be covered	Amount to be realised (Rs.)	Expected SHCs to be issued to farmers (Nos.)
1.	Soil sample	100	100	3		100
2.	Water sample					
3.	Plant sample					
	Total	100	100	3		100

Mobile Advisory for 2024

Mes sage type sent	Crop		Livestock		Weather		Marketing		Awareness		Other Enterprise		Total	
	No. of Mes sage	No. of Ben eficia ry	No. of Mes sage	No. of Bene ficiary	No. of Mes sage	No. of Bene ficiary	No. of Mes sage	No. of Bene fi ciary	No. of Mes sage	No. of Benef iciary	No. of Mess age	No. of Benef iciary	No. of Mess age	No. of Ben efi ciar y
Text only	7	-	5	-	6	-	-	-	-	-	7	-	25	380 0
Voic e only														
Voic e and Text both														
Total	7	-	5	-	6	-	-	-	-	-	7	-	25	380 0

Contingency Planning for 2024

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Hailstorm Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered		
			General	SC/ST	Total
	Introduction of new variety or crop				
	Introduction of Resource Conservation Technologies				
	Distribution of seeds and planting materials				
	Training and demonstration				
	Any other (Please specify)				

Functional linkages to be established with different organizations during 2024

Sl. No.	Name of organization	Nature of linkage
1.	State Agricultural Research Station (SARS) Yisemyong	Conducting training, demonstration, trials, field visit.
2.	DAO, DHO, DVO, DSCO, DFO,LRD in the district, ATMA Mokokchung	Conducting training, demonstration programmes and diagnostic visits
3.	ICAR- Jharnapani, Nagaland University	Consultation, meeting and exchange of technologies
4	NABARD	Funding Agency

MGMG of KVKs 2024

No of Villages	Participants		No of Visit	Participants		No of demonstration	Participants		No of Farmers meeting	Participants	
	SC/ST	Others		SC/ST	Others		SC/ST	Others		SC/ST	Others
4	200		8			2	20		4	100	

Thank You

General Recommendations

- Prioritized problem & severity:
 - 40-60% : Somewhat
 - >80% : Very severe

To conduct OFT, severity should be more than 60%
- FAW: 3 foliar spray is effective, *Bacillus thuringiensis* is banned in areas where there is Sericulture activities.
- Pest/disease incidence should be a parameter of assessment for all trial/demonstration under Natural farming.
- NPK/fertilizer, if used, should be applied in both trial/demo as well as farmer practice.
- Temperature in vermicompost should not go beyond 75°C

Assignments

- Every KVK to plant 1000 trees at KVK/ village: **Farm Manager**
- Product development/branding: SHGs and fssai. promotion of products through MoU between ICAR and Amazon: **PA/ Horticulture**
- Mandates of KVK to be changed with production of **seed and planting materials** to be one of the objectives. A fund of upto 20 lakhs to be provided if proposal is submitted to ICAR.
- ATARI Newsletter: One person from each state to be in the editorial team.
Nagaland: Dr Sandeep
- Visit of all KVKs by **Finance** personnels from ATARI: **Accountant/ACTOs**
- Activity on **Floriculture** to be established at all KVKs: **Horticulture**

Assignments

- Document technologies given to State Govt., minimum ten (10) technologies per state: **ACTOs from 2021-2023 FLDs**
- Data Register of all SMSs, conflict between No. of activities and expenditure
- Movement Register of Staffs: **Superintendent & Programme Assistant**
- Update of Sowing in farm: **Farm Manager**
- Update on programs with SARS: **Horticulture, Agronomy & Animal Science**